



The 2nd Port-City Universities Summit



The 2nd Port-City Universities Summit

(PUS 2018) October 11th - 12th

Invitation



On behalf of National Taiwan Ocean University (NTOU), it is my great pleasure to invite you to The 2nd Port-City Universities Summit (PUS 2018), which will be held at the Keelung city from 11th -12th October, 2018.

Global change is so rapidly with the rise of new technologies such as artificial intelligence. As a part of port-city universities we all face the challenges of port-city reformation, intelligent transportation system, new Industry and University collaboration, new social responsibility and academic development. To cope with all these new changes successfully, societies need to look for brand new talented person who has outstanding

convergence knowledge.

It is needlessly to say that university needs innovational change to cultivate talented persons in the fields of education and research area. To make this come true, we would like to take this opportunity to discuss and share their experience and knowledge with the honorable presidents of port-city universities.

This summit provides an opportunity for port university presidents to share ideas, explore collaborations with local governments and examines unique challenges in higher education that are especially relevant to port universities. I am hoping that this port-city summit keep providing a healthy and productive ground to all participants in preparing upcoming new challenges. I really welcome you to The 2nd PUS and to discuss about these issues.

We will have a full day conference on 11th October with a music concert in the night start at 7 pm. There is an official reception on the night of the October 10th when you arrive and an optional city tour on October 12th. We look forward to welcoming you to National Taiwan Ocean University, Taiwan.

Respectfully yours,

Ching-Fong Chang

Ching-Fong Chang, Ph. D.
President and Professor
National Taiwan Ocean University

The 2nd Port-City Universities Summit (PUS 2018) October 11th - 12th

Date: Thursday, **October 11th**, 19:00-21:00

Venue: Recreation Hall, National Taiwan Ocean University

Evergreen Symphony Orchestra



Founded and supervised by the Chang Yung-Fa Foundation, the Evergreen Symphony Orchestra (ESO) is exceptional in being the only professional orchestra in Taiwan overseen by a private foundation, and one of but a few of its kind on the international stage. Young and energetic, full of team spirit and discipline, and characterized by outstanding professionalism and a unique style, the ESO's mission is to offer the public superior performances of classical music by training and employing local talent. We are devoted to fostering young musicians and cultivating an environment and outlook that is both rooted in Taiwan and open to the world, an aspiration that is amply reflected in our musical repertoire.

The ESO is one of the few symphony orchestras in the world that have, on different occasions, worked with all of the Three Tenors: Jose Carreras, Plácido Domingo and the late Luciano Pavarotti. But the list of international artists who have collaborated with us is much longer than that, including, among others, the conductors Helmuth Rilling and Michiyoshi Inoue, the tenors Andrea Bocelli and Russell Watson, the sopranos Angela Gheorghiu, Renée Fleming and Hayley Dee Westenra, the violinists Cho-Liang Lin, Si-Qing Lu and Mayuko Kamio, and concert flute maestro Peter-Lukas Graf.

Since 2004, the ESO has toured abroad, and today no other Taiwan orchestra has more international concert tours under its belt, including performances in Singapore, Muar (Malaysia), Tokyo, Seoul, Pusan, Geje, Arendal (Norway), London, Los Angeles, Trieste, Ravenna, Ravello (Italy), Sydney, Brisbane, Shanghai, Beijing, Xiamen, Foshan, Wuhan, Changsha, Ningbo, Hechuan, Luzhou, Zigong, Chengdu, Chongqing, Qijiang, Nanjing, Liyang, Tianjin and Macau. In 2010, the ESO gave special performances at the Shanghai Expo. In September, 2011, Samsung Heavy Industries invited the **ESO to Seoul and Busan in South Korea for performances. In June 2012, the ESO performed at Italy's two most famous musical events—the Ravenna Festival and the Ravello Festival. In July 2015 the ESO was invited to perform at the Sydney Opera House and the Brisbane City Hall. The ESO will continue to export Taiwan's music culture to every corner of the global.**

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Program

Wednesday 10 October

All day	Airports transfer	K Hotel and Beidoo Hotel
18:00-21:00	Welcome Dinner	Evergreen Hotel

Thursday 11 October

8:30-9:00	Registration and Traditional Welcome Dancing	Exhibition Hall
9:00-9:30	Opening Ceremony	The 2 nd Auditorium Hall
	MoU Signing Ceremony	
9:30-09:40	Commemorative Photo-Taking	The 2 nd Auditorium Hall
09:40-10:40	Session 1	Exhibition Hall
10:40-11:00	Break	The 2 nd Auditorium Hall
11:00-12:00	Session 2	
12:00-13:30	Luncheon	Exhibition Hall
13:30-14:00	Blue Tears Phenomenon ,The Sea of Stars Exhibition	The 2 nd Auditorium Hall
14:00-15:00	Session 3	The 2 nd Auditorium Hall
15:00-15:20	Break	Exhibition Hall
15:20-16:00	Session 4	The 2 nd Auditorium Hall
16:00-16:30	Closing Ceremony	The 2 nd Auditorium Hall
16:30-17:30	Campus Tour	
17:00-18:30	Dinner	Exhibition Hall
19:00-21:00	Evergreen Symphony Orchestra Concert	Recreation Hall

Friday 12 October

9:00-12:00	Cruise Trip	Keelung City
12:00-13:00	Lunch	
13:00-17:30	City and Museum Tour	The Northern Coast of Taiwan
18:00-20:00	Dinner	



MoU Signing Ceremony on 11 October 2018 between Maritime and Port Bureau, Ministry of Transportation and Communications, Republic of China (Taiwan) and 1. National Taiwan Ocean University, 2. University of Sriwijaya

The 2nd Port-City Universities Summit (PUS 2018)

Thursday 11th October

Time	Itinerary
8:00	Departure from the hotel
8:20-8:35	Registration (Venue: Exhibition Hall)
8:35-8:50	Traditional Welcome Dancing
8:55-9:40	<p>Opening Ceremony NTOU Impression Opening Remarks</p> <ol style="list-style-type: none"> 1. Professor Dong-Sung Cho, President of Incheon National University 2. Professor Ching-Fong Chang, President of NTOU 3. Dr. David (Wei-Chun) Hsieh, Director General of Maritime and Port Bureau, Ministry of Transportation and Communications <p>- MoU Signing Ceremony (Prof. Ching-Fong Chang, Dr. David (Wei-Chun) Hsieh, and Prof. Hasan Basri) - Commemorative Photo-Taking</p>
9:40-10:40	<p>Session 1</p> <p>09:40-09:55 Innovative Strategies of INU Professor Dong-Sung Cho President, Incheon National University</p> <p>09:55-10:10 The Future of Maritime Industry: Smart Digital Green Port and Ship Professor Dato' Dr. Nor Aieni Binti Haji Mokhtar Vice Chancellor, Universiti Malaysia Terengganu</p> <p>10:10-10:25 Blueprint Towards The Smart Digital Green Port Assoc. Prof. Dr. Mohamad Rosni Bin Othman Universiti Malaysia Terengganu</p> <p>10:25-10:40 The University Strategies Toward the Challenges of Port-City Reformation, by Prof. Dr. Hasan Basri (Vice Head of Centre of Multimodal Transportation, Sriwijaya University)</p>
10:40-11:00	Break

Time	Itinerary
11:00-12:00	<p>Session 2</p> <p>11:00-11:15 The University Strategies Toward the Challenges of Port-City Reformation Assistant Professor Charin Techapun, Ph.D. Vice President, Chiang Mai University</p> <p>11:15-11:30 World University Association for Community Development (WUACD) Prof. Mochammad Amin Alamsjah, Ir., M.Si., Ph.D Vice Rector, Universitas Airlangga</p> <p>11:30-11:45 Green Energy University and Green Island Professor Wu, Wen-Chin Vice President, National Penghu University of Science and Technology</p> <p>11:45-12:00 Education and Academic Development Associate Professor Dr. Syahid Suhandi Aziz. M.M. Vice Rector, Universitas Jayabaya</p>
12:00-13:30	Luncheon (Venue: Exhibition Hall)
13:30-14:00	<p>NTOU Research Outcomes</p> <p>Ecological Exhibition: Matsu Blue Tears Phenomenon</p>
14:00-15:00	<p>Session 3</p> <p>14:00-14:15 The Strategies to Strengthen the Ocean/Maritime Research and Education in NTOU Professor Chang, Ching-Fong President, National Taiwan Ocean university</p> <p>14:15-14:30 Kanagawa University: Present Situation and Future Contribution Professor Nobuhiro Kihara Kanagawa University</p> <p>14:30-14:45 Isabela State University: A Leading Research Univ. in the Asean Region Professor Isagani Angeles</p>

Time	Itinerary
	Isabela State University
	14:45-15:00 Introduction of Vinh University Dr. Tran Dinh Quang Director of the Centre for Education Accreditation Vinh University
15:00-15:20	Break
15:20-16:00	Session 4
	15:20-15:30 Strategy Management in FPT University with a Balanced Scorecard Tool Ms. Do Thi Minh Thuy FPT Quality Assurance Manager, FPT University
	15:30-15:40 Implementing CDIO Project Learning Ms. Ho Thi Thao Nguyen Senior International Officer, FPT University
	15:40-15:50 Content strategy for educational organization's fanpage: The way FPT Education has increased brand awareness via fanpage Ms. Nguyen Thi Thu Nga Public Relation Manager, FPT University
	15:50-16:00 Corporate Social Responsibilities in FPT Corporation and FPT University: Current Practices Ms. Nguyen Thi My Linh Quality Assurance Officer, FPT University
16:00-16:30	Closing Ceremony
16:30-17:30	Campus tour
17:30-18:30	Dinner(Venue: Exhibition Hall)
18:35-18:45	Transfer to the Concert
19:00-21:00	Evergreen Symphony Orchestra Concert
21:00	Back to Hotel

The 2nd Port-City Universities Summit (PUS 2018)
 National Taiwan Ocean University, Taiwan
 Keelung City, 11 October 2018

THE UNIVERSITY STRATEGIES TOWARD THE CHALLENGES OF PORT CITY REFORMATION

Prof. Hasan Basri
 Vice Head of Centre Multimodal Transportation,
 Sriwijaya University

University of Sriwijaya
 South Sumatera, Palembang, Indonesia
 Keelung City, Taiwan, 11 October 2018

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Performance of Port Services

Domestic Dwelling Time Source : Indi (2014) **International Dwelling Time**

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Background: The challenge and position of World Freight Traffic passing Indonesia

Source : Simutrans Forum (2012), Fortune Magazine (2012)

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Long and Mid Term Planning 2015-2018

Sea Highway Passes
 5 Hub Ports :

1. Kuala Tanjung Port
2. Tanjung Priok Port
3. Tanjung Perak Port
4. Makassar Port
5. Bitung Port

24 = 5 + 19

5 Hubs as Entry gate
 19 Feeders

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Background: Low Competitiveness of Indonesian Logistics Infrastructure

Source: Indi (2013)

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Production of Goods Trips

Sea Highway Passes
 5 Hub Ports :

1. Kuala Tanjung Port
2. Tanjung Priok Port
3. Tanjung Perak Port
4. Makassar Port
5. Bitung Port

-4,00 (2020)
 -5,96 (2025)
 -6,62 (2030)
 (DP Ton.km/year)

-7,43 (2020)
 -8,80 (2025)
 -10,5 (2030)
 (DP Ton.km/year)

-2,46 (2020)
 -3,37 (2025)
 -4,48 (2030)
 (DP Ton.km/year)

-1,47 (2020)
 -2,50 (2025)
 -3,59 (2030)
 (DP Ton.km/year)

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Planned Hub and Feeder

Hub	Feeder
1. Belawan/Kuala Tanjung (Sumut)	1. Mestegan (Davao Islander) / Belawan Besar (Collector)
2. Tanjung Priok (DKI, Jakarta)	2. Batam (Belau) (Primary)
3. Tanjung Perak (Jawa Timur)	3. Jambi (Jambi) (Collector)
4. Makassar (Sulawesi Selatan)	4. Palembang (Pasembang) (Primary)
5. Bitung (Sulawesi Utara)	5. Panjang (Lampung) (Primary)
	6. Teluk Bayur (Padang) (Primary)
	7. Tanjung Emas (Semarang) (Primary)
	8. Pontianak (Kalimantan Barat) (Primary)
	9. Banjarmasin (Kalimantan Selatan) (Primary)
	10. Sampit (Kalimantan Tengah) (Primary)
	11. Balikpapan/Karungas (Kalimantan Timur) (Primary)
	12. Samarinda/Palaran (Kalimantan Timur) (Collector)
	13. Teraur/Kupang (NTT) (Primary)
	14. Pantoloan (Sulawesi Tengah) (Primary)
	15. Tondong (Maluku Utara) (Primary)
	16. Kendari (Sulawesi Tenggara) (Collector)
	17. Sorong (Papua Barat) (Primary)
	18. Ambon (Maluku) (Primary)
	19. Jayapura (Papua) (Primary)

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Indonesia is located in the heart of the global trade world of the future > 70% of world sea container flows related to Asia

Global container flow based on major trade, 2015 (Million TEUs)

● = 1 Million TEUs (2015, Asia related)
 ● = 1 Million TEUs (2015, non-Asia related)

1. Includes NE, SE, and S. Asia 2. Includes domestic
 Note: Container flows based on forecasts excluding empties and transhipment but including domestic for intra-regional trade; some trades excluded for display purposes. CAGR based on 2007-2015
 Source: BCG analysis, Singapore case study

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Sea Transportation as a Background of National Connectivity

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Domestically, trade routes are growing and developing rapidly Inter-island trade develops with CAGR growth = 37% in the past 5 years

Domestic trade routes are growing and developing rapidly

● = Selected major domestic goods routes (MT/yr)
 ● = Route is part of "Pendulum Nusantara" (MT/yr)

Interisland trade increased ~ 5 x from 638 million tons in 2006 to become 3,153 million tons in 2011
 Note: Province to province origin-destination goods flow for all means of transportation (sea, air, land), CAGR 2006-2011
 Source: OD Matrix - Ministry of Transportation 2006 and 2011

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Scheme Development of Main and Sub Corridor Pendulum Nusantara


SUMSEL BABEL POTENTIAL ???

Source: IPC (2012)

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Palembang City the Capital of South Sumatra Province

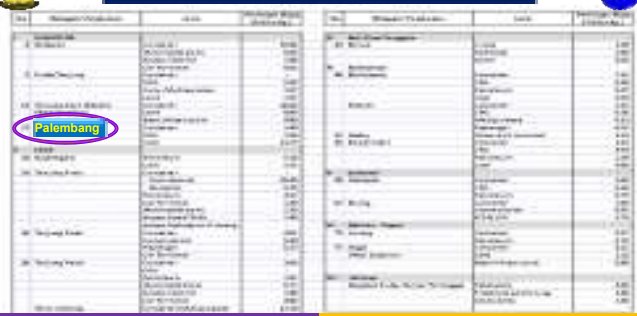
- Based on archaeological / historical evidence, in Palembang, the Kedukan Bukit Inscription was found which dated on June 16, 682 AD.
- This inscription mentions the construction of the village by Dapunta Hyang Śrī Jayanaśa who was later given the name Śrīwijaya (Boechari 1989).
- From a village built by Dapunta Hyang and two soldiers, this village developed into a city. The city finally became established after going through a long history.



Source: Roby Ardhiwijaja, Bambang Budi Utomo, Nurhadi Rangkuti. CULTURE HERITAGE PRESERVATION STUDY: From Wana Śrīwijaya towards Palembang Cultural Tourism Destinations, printed by Tourism Research and Development Center, Resource Development Agency, Ministry of Culture and Tourism, Jakarta 10110, Indonesia. Tel. 021 3838993/655, Fax. 021 3810901

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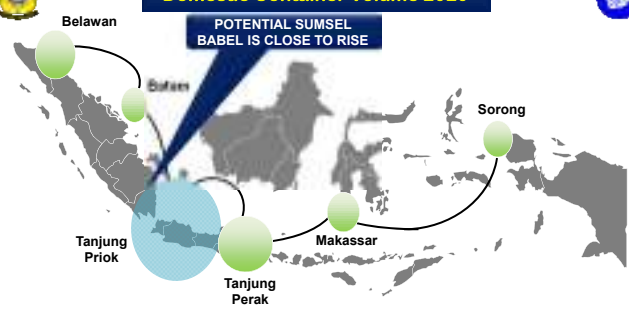
Proposed Port Development for 2015-2019



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Domestic Container Volume 2020

POTENTIAL SUMSEL BABEL IS CLOSE TO RISE



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OPPORTUNITY AND STRATEGIES OF SOUTH SUMATERA

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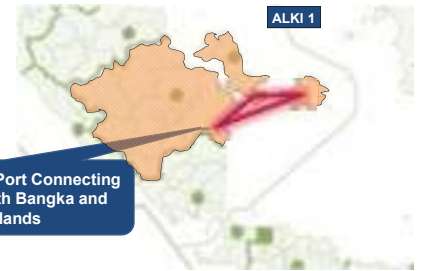
Design examples for liner services

Activities	Container unloaded/loaded	Travel distance (NM)	Time at port (days)	Time taken (v = 14 knots)	Time taken (v = 15 knots)	Time taken (v = 16 knots)
Belawan Port	2000		0.9			
Travel		345		1.0	1.0	0.9
Batam Port	1500		0.7			
Travel		505		1.5	1.4	1.3
Tanjung Priok Port	4000		1.3			
Travel		400		1.2	1.1	1.0
Tanjung Perak Port	3000		1.3			
Travel		450		1.3	1.3	1.2
Makassar port	2000		0.9			
Travel		990		2.9	2.8	2.6
Sorong Port	1000		0.5			
TOTAL	2,690			13.7	13.1	12.7

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Challenging Research Collaboration and Project Implementation

ALKI 1



Development a New Port Connecting South Sumatera with Bangka and Belitung Islands

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SELESAI



Hasan Basri was born in Palembang, South Sumatera Indonesia, in February 1, 1960. He obtained his Bachelor degree in mechanical engineering in 1984 from Universitas Sriwijaya, Indonesia. He completed his Ph.D degree in mechanical engineering in 1990 from the University of Sheffield, UK. During his study, he was awarded the G.P. Smedley Prize in Mechanical Engineering. He has 35 years of teaching experience in Mechanical Engineering Department, Universitas Sriwijaya as a lecturer, senior lecturer, assistant professor, associate professor, and professor. He is a recognized research supervisor at Universitas Sriwijaya. He leads the Laboratory for Energy Conversion at the department of mechanical engineering Universitas Sriwijaya. He is the head of the Energy Research Center of the Institute of Research and Community Services, Editorial Board of the Sriwijaya Journal of Mechanical Sciences and Engineering (SJMSSE). He is registered as a Professional Member of ASME (Reg. No. 100680905). His research interests include tribology (hydrodynamic lubrication), energy conversion technology (cogeneration & power plants), fluid mechanics, Biomechanical Engineering and port engineering (handling equipments).

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Thank you
Everyone

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